

product solution

NBC Nylon Mesh

NL Screen monofilament nylon mesh features the flexibility and elasticity of *Nylon 6.6* thread, making it ideal for printing onto curved or rigid surfaces. Additionally, it provides reliable mechanical resistance and good emulsion adhesion, making it especially suitable for printing with an abrasive paste or substrate.



Nylon 6.6 is a well established thread material designed to provide chemical and heat resistance and high mechanical strength and rigidity.

FEATURES

- Good mechanical and chemical resistance
- Excellent emulsion adhesion
- Flexible and elastic

ITEM DETAILS

MESH CODE	MESH COUNT /in (±3)	MESH COUNT /cm (±3)	WEAVE TYPE	THREAD DIAMETER μm	MESH THICKNESS μm (45-61")	MESH THICKNESS μm (65"+)	MESH OPENING μm	OPEN AREA (%)	THEORETICAL INK VOLUME cm ³ /m ² (45-61")	THEORETICAL INK VOLUME cm ³ /m ² (65"+)
NL508 -030 TW	508	200	2:2 TW	30	60±3μm	N/A	20	16	9.6	N/A
NL460 -030 TW	460	180	2:2 TW	30	60±3μm	N/A	25	21	12.4	N/A
NL420 -030 PW	420	165	1:1 PW	30	51±3μm	51±3μm	30	25	12.8	12.8
NL420 -035 TW	420	165	2:2 TW	35	70±4μm	70±4μm	25	17	12.2	12.2
NL380 -030 PW	380	150	1:1 PW	30	55±3μm	55±3μm	37	30	16.8	16.8
NL380 -035 TW	380	150	2:2 TW	35	68±3μm	68±3μm	32	23	15.5	15.5
NL355 -030 PW	355	140	1:1 PW	30	52±3μm	52±3μm	42	34	17.7	17.7
NL355 -035 TW	355	140	2:1 TW	35	66±3μm	66±3μm	37	26	17.4	17.4
NL330 -030 PW	330	130	1:1 PW	30	50±3μm	50±3μm	47	37	18.6	18.6
NL330 -035 TW	330	130	2:1 TW	35	66±3μm	66±3μm	42	30	19.6	19.6
NL305 -030 PW	305	120	1:1 PW	30	53±3μm	53±3μm	53	41	21.6	21.6
NL305 -035 PW	305	120	1:1 PW	35	60±3μm	60±3μm	48	33	20.1	20.1
NL305 -043 TW	305	120	2:1 TW	43	82±4μm	82±4μm	40	23	19	19

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NL280 -038 PW	280	110	1:1 PW	38	64±3μm	64±3μm	53	34	21.7	21.7
NL270-035 PW	270	106	1:1 PW	35	60±3μm	60±3μm	59	39	23.6	23.6
NL255 -043 PW	255	100	1:1 PW	43	75±4μm	75±4μm	57	32	24.4	24.4
NL230 -043 PW	230	90	1:1 PW	43	75±4μm	75±4μm	67	37	27.8	27.8
NL206 -061 TW	206	81	2:1 TW	61	116±6μm	116±6μm	62	25	29.5	29.5
NL200 -050 PW	200	79	1:1 PW	50	86±4μm	86±4μm	77	37	31.6	31.6
NL196 -061 PW	196	77	1:1 PW	61	111±6μm	111±6μm	69	28	31.3	31.3
NL185 -061 PW	185	73	1:1 PW	61	114±6μm	114±6μm	76	31	35.1	35.1
NL175 -050 PW	175	69	1:1 PW	50	87±4μm	87±4μm	95	43	37.3	37.3
NL173 -070 TW	173	68	2:1 TW	70	133±7μm	133±7μm	77	27	36.5	36.5
NL157 -070 PW	157	62	1:1 PW	70	118±6μm	118±6μm	92	32	38.1	38.1
NL157 -080 PW	157	62	1:1 PW	80	146±7μm	N/A	82	26	37.4	N/A
NL150 -061 PW	150	59	1:1 PW	61	106±6μm	106±6μm	108	41	43.3	43.3
NL140 -070 PW	140	55	1:1 PW	70	126±6μm	126±6μm	111	38	47.4	47.4
NL140 -080 PW	140	55	1:1 PW	80	140±7μm	140±7μm	101	31	43.6	43.6
NL125 -070 PW	125	49	1:1 PW	70	121±6μm	121±6μm	133	43	51.9	51.9
NL125 -080 PW	125	49	1:1 PW	80	142±7μm	145±7μm	123	37	52.1	53.2
NL110 -070 PW	110	43	1:1 PW	70	121±6μm	121±6μm	161	49	58.8	58.8
NL110 -080 PW	110	43	1:1 PW	80	140±7μm	140±7μm	151	43	59.8	59.8

Mesh Count: Number of threads per inch or centimeter

Weave Type: Plain Weave (PW) or Twill Weave (TW)

Thread Diameter: The diameter of each thread before weaving

Mesh Thickness: The average thickness of the woven mesh

Mesh Opening: The distance between adjacent threads

Open Area: The ratio (%) of the open area to the thread area within a woven mesh

Theoretical Ink Volume: The amount of ink the mesh should be able to hold/transfer, given as the ratio (%) of open area × mesh thickness to the thread area